

# ON-2000

## Power by WEICHAI

# 20M33D2020E310

Prime power: 1600KW/2000KVA

Standby power: 1800KW/2250KVA

## GENERATING POWER SOLUTIONS

### Increased availability for new operations

Reliable, robust and versatile generator.  
Ready to deliver power for a next job.

### Increased uptime during operations

Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

### Reduced transport and installation costs

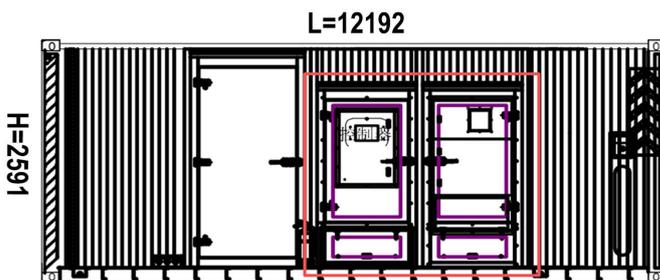
The compact and robust design with integrated transport features enables faster and safer transport and installation.

### Reduced service & maintenance costs

Longer service intervals.  
Quicker and more efficient service jobs.

### Premium resale value

Designed and built to last.



DIMENSION			OPEN TYPE	SILENT TYPE
Length (L)	mm	5800	12192	
Width (W)	mm	2800	2438	
Height (H)	mm	3400	2591	
Dry weight	kg	NA	23850	
Fuel tank	L	NA	NA	

# ONEWPOWER

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## Technical Data

### Model ON-2000

Rated prime power	KW	1600
Rated standard power	KW	1800
Rated voltage line to line	V	380~415
Maximum sound level	dB(@7m)	≤72

### Engine

Model	20M33D2020E310	
Aspiration	Turbochargine and intercooling	
Fuel system	mechanical pump	
No. cylinders	20	
Displacement	Liquid	65.4
Bore*Stroke	mm	150*185
Compression ratio	15:1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	1600
Governor type	ECU	

### Exhaust system

Exhaust gas flow	9844kg/h	
Exhaust gas temp	° F (° C)	<750
Max back pressure	7.5Kpa	

### Aspiration system

Max inlet pressure	kPa	≤3.5
Combustion volume	L/s	/
Air flow	kg/h	9480

### Fuel system

100% load(Prime power)	L/h	438
75% load(Prime power)	L/h	328.5
50% load(Prime power)	L/h	219
Fuel tank capacity	L	NA

### Lubrication system

Oil capacity	L	240
Oil consumption	L/H	438
Oil pressure	kPa	10
(continuous operation)		

### Cooling system

Coolant capacity	L	114
Thermostat operation range	°C	76-88
Max water temperature	°C	98

### Alternator

Model	ON-2000	
Phase	3	
Voltage	V	380~415
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	1600
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

### Controller

- Model
- Protective functions:
- Low oil pressure
  - High water temperature
  - High/low voltage
  - High Engine Temperature and Overspeed.
  - Voltage regulator frequency regulator
  - Emergency stop
  - Start failure



### Control Module Options



- Auto generator control module
- Control module with "Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

## Standard features

- Engine
- Radiator 50°C max, fans are driven by belt
- 24V charge alternator
- Alternator: single bearing alternator IP23, insulation class H/H
- Standard auto control system
- One set of air filter, fuel filter, oil filter
- Main line circuit breaker/MCCB
- Base fuel tank
- Two 24V batteries, rac and cable
- Exhaust system(Ripple flex exhaust pipe, exhaust siphon, flange, muffler)
- User manual

## Options

- Battery charge
- Engine heater
- Alternator heater
- PMG
- Water oil separator
- Daily fuel tank
- Remote control panel
- Automatic transfer switch/ATS
- Switch box
- Standard: ● Options: ○

## Warranty

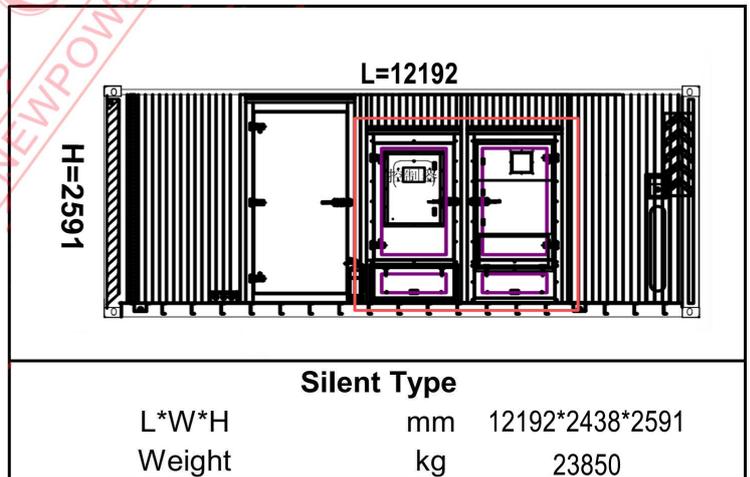
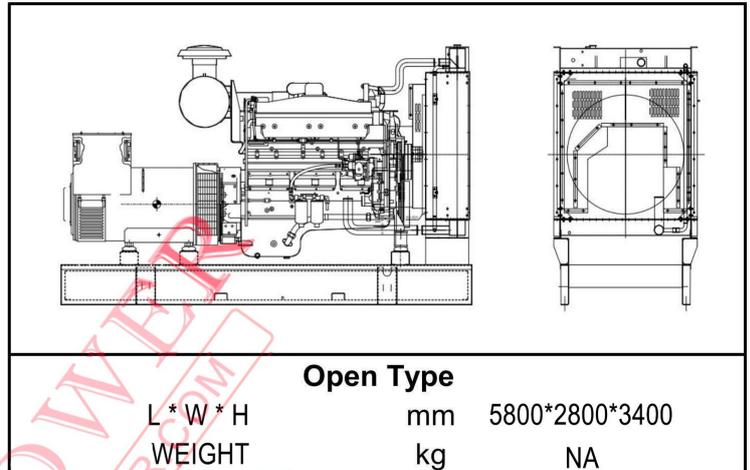
### WEICHAI ENGINE

12 months from date of purchase and 1000 hours.

### Generator

12 months from date of purchase or 1000 hours (whichever occurs first).

## Dimensions



## ONEWPOWER

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